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**SUSTAINABLE LANDSCAPE
DESIGN IN OPEN SPACES:
STUDENTS' PERCEPTION ON
TYPOGRAPHIC LANDSCAPE
DESIGN**

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ABSTRACT

University is a centre of progress and innovation that needs to emphasize sustainability to improve the community socially, environmentally and economically as a whole. Lack of facilities in terms of infrastructure, and weaknesses of management systems that are not in line with sustainability characteristics, can influence the quality of education and convenience of the campus community. Therefore, the idea of Typographic Landscape Design (TLD) is proposed to overcome the problem of lack of space on campus. It is a functional typographic installation that combines letters, expressed in a three-dimensional format to interact with the landscape. This research initiative aims to identify students' perceptions of the integration of typography and landscape (Typographic Landscape Design) in Universiti Teknologi of MARA (UiTM) Perak campus in Seri Iskandar. The main objectives are to identify students' preferences on the location of the sustainable TLD and determine the importance of integrating the typography and landscape (TL) in the faculty open area. This research uses a mixed-method approach where both quantitative and qualitative analysis. Surveys using three-dimensional visuals of TLD questionnaires and interviews are used to see the respondents' perceptions of the sustainability of landscape areas on campus. It has been distributed among 160 respondents and supported by interviews with 30 respondents. The statistical analysis and semi-structured interviews were carried out to evaluate the data. Results showed that the location and geographical conditions are the most significant criteria based on students' preferences which refers to sustainable landscape elements (comfort, aesthetic value and amenities). Integrating typography and landscape in campus open spaces is an important factor in strengthening the place's identity and generating knowledge about typography. The result confirms that an area with sustainable criteria will function very well as it provides comfort and favourable amenity among students on campus. This research explored an idea of how to produce a socially healthy community in terms of sustainability through campus needs planning. These findings contribute to the knowledge of the importance of integrating art in open spaces design in providing a positive impact on the campus community towards the sustainable campus environment.

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CHAPTER ONE

INTRODUCTION

1.1 Introduction

“A well-designed campus open space with functional, environmental, or psychological elements creates the perception of a multifunctional place: a learning environment, a private environment for social interaction, a natural environment to enjoy nature, and a meditative environment to disconnect and relax”

(Tudorie et al., 2020)

In the context of sustainable development, the university is one of the channels that play a role in helping the nation to overcome many resilience challenges (Norfadillah et al., 2012; Fonseca et al., 2011; Bilodeau et al., 2014). Generally, the university community can engage in a variety of activities that have the potential to have a positive or negative impact on the environment. (Kalsum 2017). Hence, to produce students who appreciate the environment in line with the role of a sustainable campus, the university should provide an adequate space that benefits students. Previous research has reported that the area should be aesthetically pleasing and functional to attract people to visit and explore the natural outdoor environment (Tsunetsugu et al., 2010; Thalany and Radam, 2013; Isabelle and Teresa; 2014; Noriah et al., 2014). Hanan (2013) added that the impact of students' activities depends on identifying the outdoor spaces related to their flexibility of uses and the outcome. Therefore, the designed spaces should meet the functions of daily user convenience.

Sustainable landscape design in open space covers a broad range of areas. This study focuses on the university that emphasises landscaping issues in the open space. It is a vital issue to highlight the role of open spaces in supporting sustainable development for campus communities. The elements of sustainability bring many benefits to the economy. When people live happy and healthy, they work more productively. They can spend time in the park through social life with family and friends. Furthermore, in the context of the environment, open spaces in roads, mining, and industrial areas provide convenience to their people. Therefore, sustainability gives pleasure to human beings.